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cont.  
generations to produce an inbred corn plant derived from the corn variety I390186. In the method, it may be desirable to select particular plants resulting from step (c) for continued crossing according to steps (b) and (c). By selecting plants having one or more desirable traits, an inbred corn plant derived from the corn variety I390186 is obtained which possesses some of the desirable traits of corn variety I390186 as well potentially other selected traits.--

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[ Please replace the paragraph beginning at page 22, line 17, with the following: ]

-- **I390186:** The corn plant variety from which seeds having ATCC Accession No. PTA-4491 were obtained, as well as plants grown from those seeds.--

[ Please replace the paragraph beginning at page 29, line 3, with the following: ]

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-- A representative deposit of 2500 seeds of the inbred corn variety designated I390186 has been made with the American Type Culture Collection (ATCC), 10801 University Blvd., Manassas, VA on June 25, 2002. Those deposited seeds have been assigned ATCC Accession No. PTA-4491. The deposit was made in accordance with the terms and provisions of the Budapest Treaty relating to deposit of microorganisms and was made for a term of at least thirty (30) years and at least five (05) years after the most recent request for the furnishing of a sample of the deposit is received by the depository, or for the effective term of the patent, whichever is longer, and will be replaced if it becomes non-viable during that period.--

#### **In the Claims:**

Please amend claims 1-2, 5, 14-15, 17, 20-22 and 31 as follows:

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1. (Amended) A seed of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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c. 45  
2. (Amended) A population of seed of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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5. (Amended) A corn plant produced by growing a seed of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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14. (Amended) An essentially homogeneous population of corn plants produced by growing the seed of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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15. (Amended) A corn plant capable of expressing all the physiological and morphological characteristics of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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17. (Amended) A tissue culture of regenerable cells of a plant of corn variety I390186, wherein the tissue is capable of regenerating plants capable of expressing all the physiological and morphological characteristics of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

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20. (Amended) A corn plant regenerated from the tissue culture of claim 17, wherein the corn plant is capable of expressing all of the physiological and morphological characteristics of the corn variety designated I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

21. (Amended) A process of producing corn seed, comprising crossing a first parent corn plant with a second parent corn plant, wherein one or both of the first or the second parent corn plant is a plant of the corn variety I390186, wherein a sample of the seed of

the corn variety I390186 was deposited under ATCC Accession No. PTA-4491, wherein seed is allowed to form.

22. (Amended) The process of claim 21, further defined as a process of producing hybrid corn seed, comprising crossing a first inbred corn plant with a second, distinct inbred corn plant, wherein the first or second inbred corn plant is a plant of the corn variety I390186, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491.

31. (Amended) A method of producing an inbred corn plant derived from the corn variety I390186, the method comprising the steps of:

- (a) preparing a progeny plant derived from corn variety I390186 by crossing a plant of the corn variety I390186 with a second corn plant, wherein a sample of the seed of the corn variety I390186 was deposited under ATCC Accession No. PTA-4491;
- (b) crossing the progeny plant with itself or a second plant to produce a seed of a progeny plant of a subsequent generation;
- (c) growing a progeny plant of a subsequent generation from said seed and crossing the progeny plant of a subsequent generation with itself or a second plant; and
- (d) repeating steps (b) and (c) for an additional 3-10 generations to produce an inbred corn plant derived from the corn variety I390186.

## II. RESPONSE TO OFFICE ACTION

### A. Status of the Specification

The specification has been amended to correct deficiencies relating to information for the deposit of seed for the claimed inbred. A marked copy of the amendments is provided in **Appendix A**. The objection to the specification should now be moot.